

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
10 March 2005 (10.03.2005)

PCT

(10) International Publication Number  
**WO 2005/021495 A2**

(51) International Patent Classification<sup>7</sup>:

**C07D**

(21) International Application Number:

PCT/US2004/027540

(22) International Filing Date: 25 August 2004 (25.08.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/497,590

25 August 2003 (25.08.2003)

US

(71) Applicant (for all designated States except US): **MICROBIA INC.** [US/US]; 320 Bent Street, Cambridge, Massachusetts 02141 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MARTINEZ, Eduardo J.** [US/US]; 271 North Street, Apt. 1, Boston, Massachusetts 02113 (US). **TALLEY, John Jeffrey** [US/US]; 96 North Street, #3, Somerville, Massachusetts 02144 (US).

(74) Agents: **HANSEN, Philip E.** et al.; HESLIN ROTHENBERG FARLEY & MESITI P.C., 5 Columbia Circle, Albany, NY 12203 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

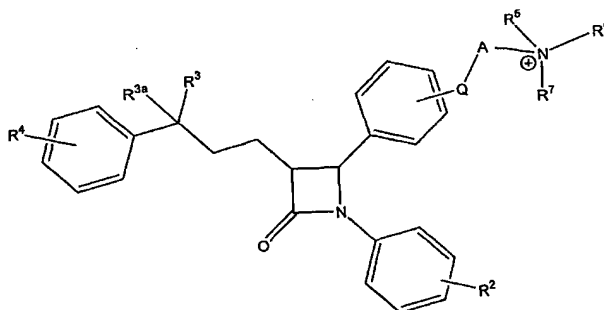
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

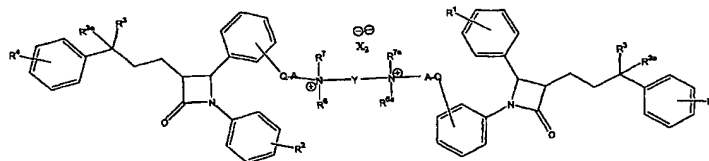
For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: QUATERNARY SALT DERIVATIVES OF 1,4-DIPHENYLAZETIDIN-2-ONES



(I)

and



(II)

(57) Abstract: Quaternary salt derivatives of 1,4-diphenylazetidin-2-ones useful for the treatment of hypercholesterolemia are disclosed. The compounds are of the general formulae (I), and (II) as well as isomers of these formulae.